

User manual



HVA/HVM Hot water automat

Your retail dealer

U_GB

Rev. 080915

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1. Introduction.

HVA/HVM Hot water automat

Congratulations on choosing an HVA/HVM hot water automat.

Read through the instructions before you use the machine.

- This manual contains important instructions for correct and safe usage of the hot water automat.
- Always keep the manual in a handy place.

Coffee Queen AB is certified according to ISO 9001 and ISO 14001 standards and therefore has a minimum impact on the environment.

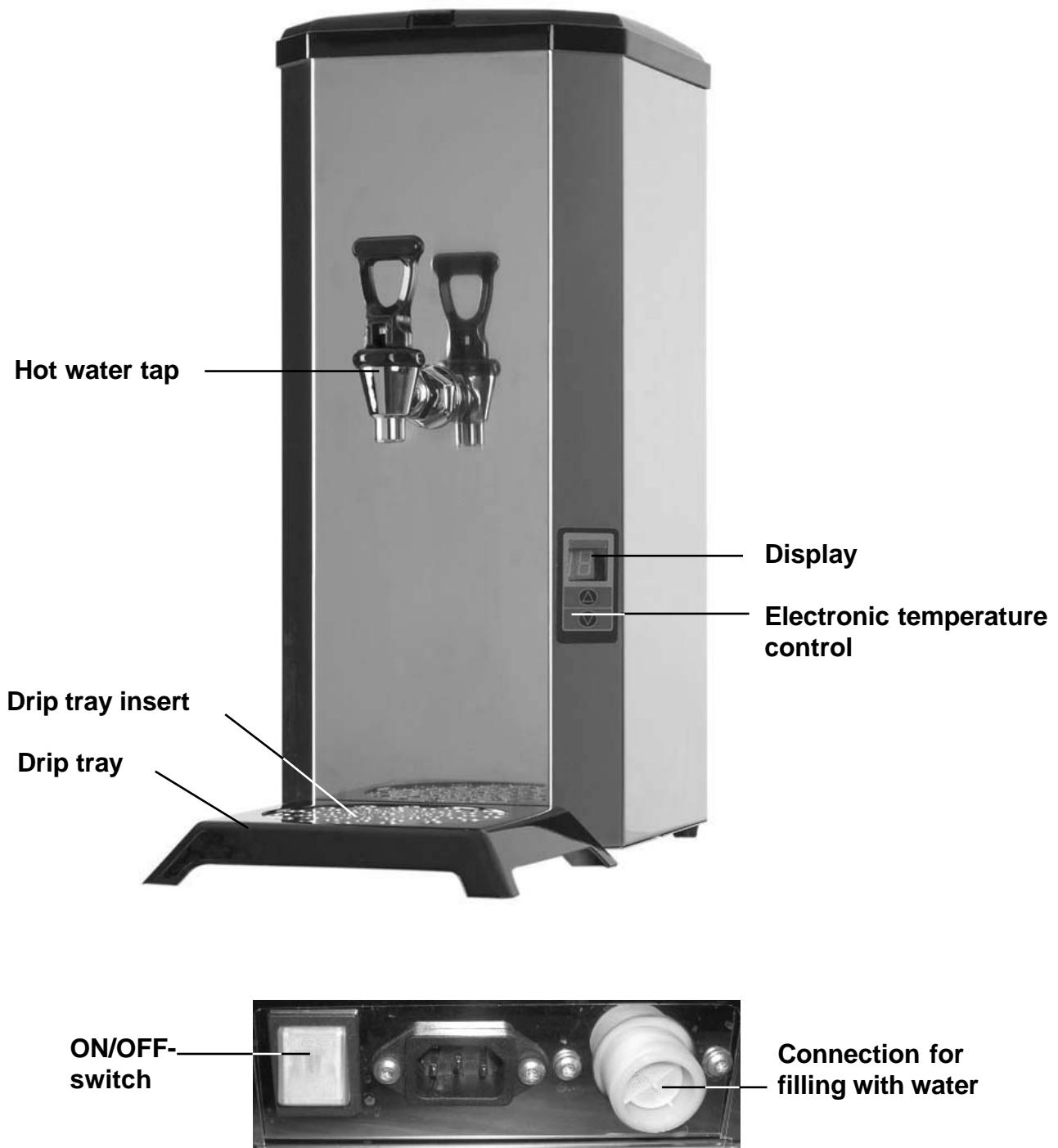
HVA/HVM Hot water automat

- Digital display with temperature indication
- Electronic temperature control
- Manufactured in bright stainless sheet metal.

Facts

Height	500 mm
Width	225 mm
Depth	410 mm
Tank capacity	7.5 litres
Electrical connection	230 V / 2200 W
3-phase electrical connection	380 V / 8000 W
Cold water connection	½" external thread
Capacity:	18 litres/hour
Capacity: 3 phase	67 litres/hour

2. Functional description.



Functional description

The hot water automat comprises a tank which holds 7.5 litres.

The water level is regulated by a level guard that switches and opens a solenoid valve.

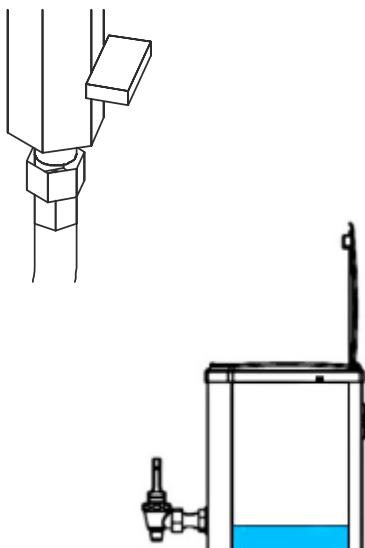
The water temperature is regulated by a thermostat and an element.

Hot water automat connected to the water supply.

3. Installation and starting.



- 1.1. Place the machine on a level and watertight surface.



- 1.2. Connect to the Cold water supply using the hose provided. The most appropriate connection is to a tap that can be turned off.

**The pressure shall be 14.5 – 72.5 PSI
(1 – 5 bar) for the automat to function
properly**

Refer to Programming on page 9 when filling the water manually.



- 1.3. Insert the power plug in a separately-earthed wall socket. 230 V, 10 A.



- 1.4. Switch on using the switch that is located at the back of the machine.
Check that the light comes on.

3. Installation and starting.

1. The hot water automat will now start to fill and heat the water.

- 1.1. The display will flash when the automat fills with water



- 1.2. While the machine is heating the water the display shows the actual temperature until the pre-selected temperature is reached.

- 1.3. The display light stays on when the water has reached the preset temperature of 90°C.



- 1.4. The hot water automat is now ready for use.

The operating temperature of the hot water automat is preset at the factory.

2. Setting the water temperature.

- 2.1. Adjust the water temperature using the membrane switch. Max temperature 96°C.

- 2.2. Increase the temperature.

- 2.3. Reduce the temperature.



4. IMPORTANT!

Important.

Do not do anything to the hot water automat. Incorrect action can lead to personal injury and faults. The hot water automat should stand on a level surface to work satisfactorily. The hot water automat must be placed on a waterproof surface so that any water leakage is visible. Make sure that kinks are not formed in the connection hose when the hot water automat is pushed into place.

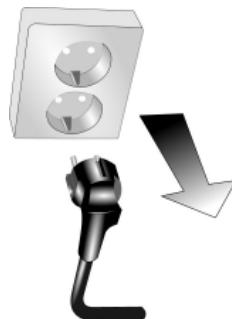
The hot water automat's supply and drain connection shall be checked regularly.

Check that no leakage has occurred in connection with installation.

The water connection always presents a risk of leakage irrespective of safety equipment. Never leave the hot water automat unattended when it is in use. Turn the tap off when the machine is not in use.

Switch off the supply before working on the hot water automat. This can be done by removing the power supply plug from the wall socket.

All installation work must be done by a qualified person.



5.Care.

NOTE Cleaning the outside of the machine

Never use aggressive cleaning agents when cleaning the hot water automat.



Use a soft cloth together with a liquid cleaning agent that does not scratch.

6. Fault indications - SERVICE

Fault indications E1, E2, E3 and E4 are shown in the display.

NOTE Remove the power plug from the wall during any installation work.

LEVEL CONTROL

E1 shown on the display =	The level sensor's short electrode is earthed but not the long one.	Clean the level sensor. Replace. Cables connected incorrectly.
E4 shown on the display =	The automat fills slowly. Poor water pressure. Water tap not open	Restart the machine.

TEMPERATURE CONTROL

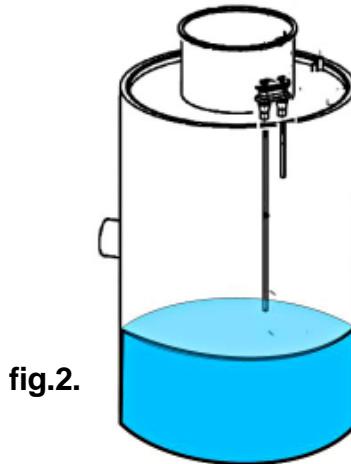
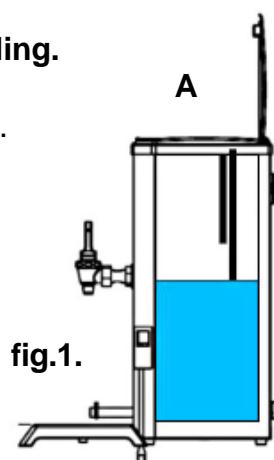
E2 shown on the display =	Temperature outside the stated range The temperature sensor is broken. Cable loose.	5°C - 105°C. Replace.
E3 shown on the display =	Heating time too long. Solid state broken. Element broken. Overheating guard tripped or broken.	Restart the machine. Replace. Replace.

NOTE The installation work and all repairs shall be done by a competent electrician.

7. Programming.

1. Programming automatic controls for manual water filling.

- 1.1. Fill the water to **A** in the tank up to the long sensor pin.
See fig. 1. Approximately 4 litres.
- 1.2. Keep button **(B)** pressed and switch on the machine with the switch **(D)** at the same time.



- 1.3. The display shows T1
Change the type of machine with buttons **B** or **C**.
- 1.4. T1 = HVA automat
T2 = HVM manual
- 1.5. Confirm the choice by holding down the buttons **(B)** and **(C)** at the same time for approximately 5 seconds.

NOTE Install the plug supplied in the inlet valve **(E)** to avoid possible leakage.

HVA-HVM



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